

Laird Technologies has broadened its Ferrite Chip Bead product offering by adding the smaller EIA 0201 (Metric 0603) version to the existing EIA 0402 ~ 3312 (Metric 1005 ~ 8531) product family. The smaller foot-print makes this chip bead ideal for miniature and portable electronic system devices. The new LI0201 series is an ultra-compact, monolithic EMI suppression chip designed for digital signal lines. It offers space efficiency with superior EMI noise filtering over a wide frequency range of low to several hundred MHz for broad-band signal interfaces, up to GHz ranges for high-frequency signal lines.

FEATURES

- Rugged monolithic construction
- Smaller foot-print: 0.6 mm x 0.3 mm x 0.3 mm
- Superior impedance vs. frequency characteristics with low DCR
- EMI noise suppression for high frequency and broad-band signal lines
- Lead free and RoHS compliant

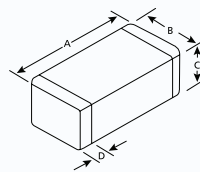
MARKETS

- Advanced hand-held devices
- Cellular phones
- Bluetooth headsets
- PDAs
- GPS
- MP3 players
- Digital camcorders and cameras

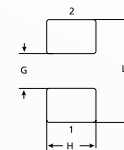
ELECTRICAL PROPERTIES

Part Number	Metric Package Size	IMPEDANCE (Ω)				PEAK IMPEDANCE		DCR Max (Ω)	Current Rating (mA)
		25 MHz	100 MHz	500 MHz	1 GHz	Frequency (MHz)	Impedance (Ω)		
LI0201C330R-10	0603	7	33	113	153	1646	171	0.5	300
LI0201C560R-10	0603	11	56	186	252	1347	268	0.6	300
LI0201B800R-10	0603	31	80	195	224	978	225	0.8	200
LI0201C800R-10	0603	18	80	335	428	903	434	0.6	300
LI0201E800R-10	0603	41	80	119	116	605	120	0.5	500
LI0201B121R-10	0603	39	120	247	269	800	275	0.8	200
LI0201C121R-10	0603	59	120	189	182	630	190	0.7	300
LI0201B241R-10	0603	81	240	586	321	390	619	1	200

MECHANICAL DIMENSIONS



Land Pattern



Metric (EIA) Pkg Size	A mm (inch)	B mm (inch)	C mm (inch)	D mm (inch)
0603 (0201)	0.60 (.024)	0.30 (.012)	0.30 (.012)	0.15 (.006)

G mm (inch)	H mm (inch)	L mm (inch)
0.25 (.010)	0.32 (.013)	0.69 (.027)

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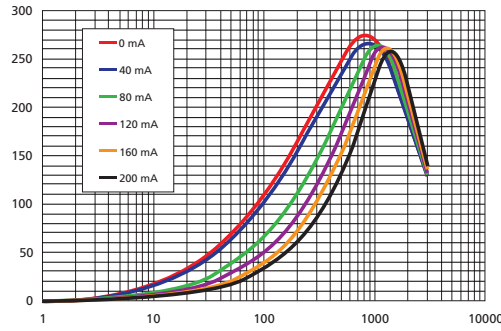
+1 423 308.1690

Europe: +49 8031.2460.0

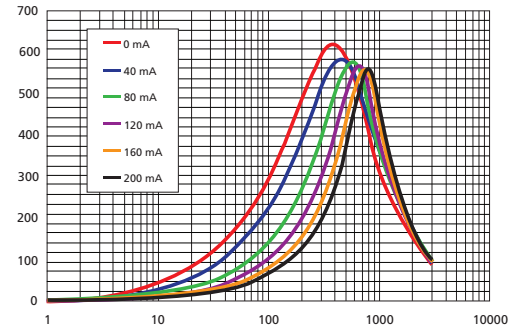
Asia: +86 755.2714.1166

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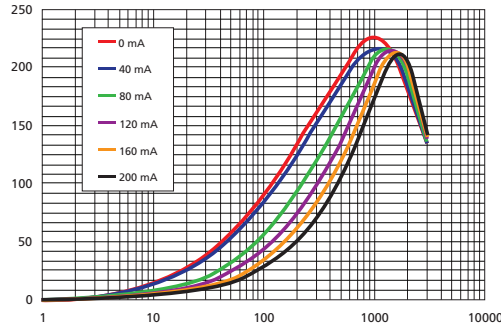
LI0201B121R-10



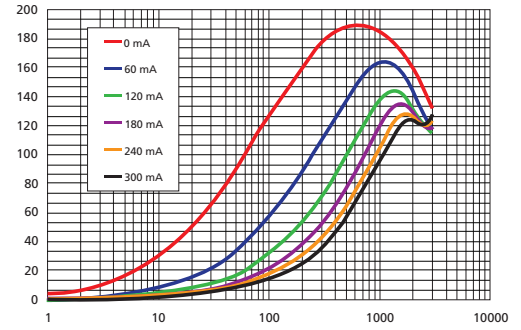
LI0201B241R-10



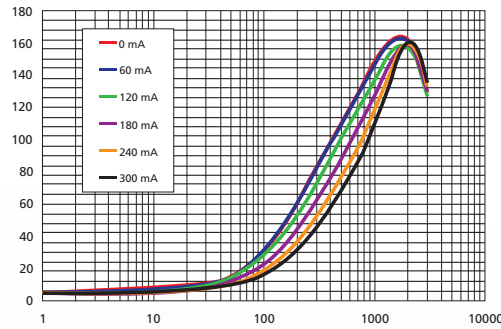
LI0201B800R-10



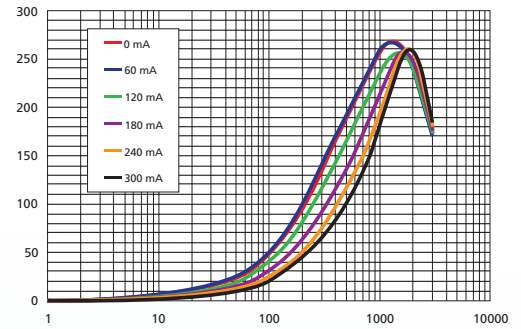
LI0201C121R-10



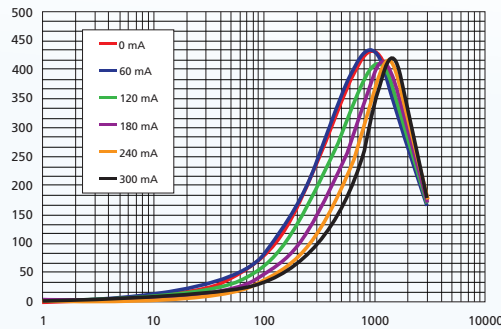
LI0201C330R-10



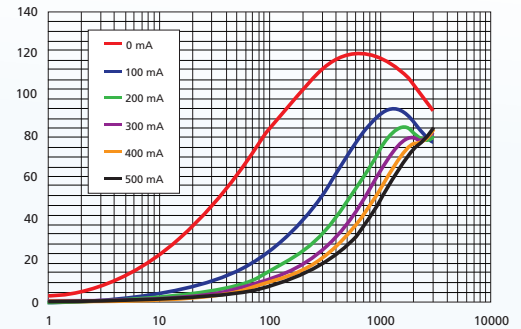
LI0201C560R-10



LI0201C800R-10



LI0201E800R-10





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for a **Connected** World

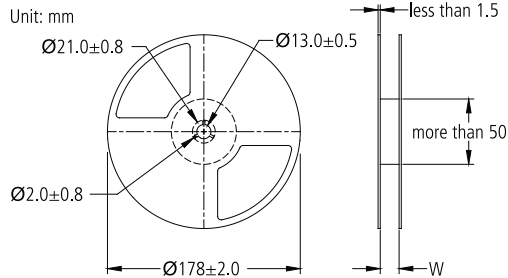
LI0201

Ferrite Chip Beads

Competitor Cross-Reference

COMPETITORS			LAIRD TECHNOLOGIES	IMPEDANCE (Ω)				PEAK IMPEDANCE		DCR Max	Current Rating
Murata	TDK	Taiyo Yuden	Part Number	25MHz	100MHz	500MHz	1GHz	Frequency (MHz)	Impedance (Ω)		
BLM03PG330SN1	MMZ0603D330C	BK0603HS330 BK0603LL330	LI0201C330R-10	7	33	113	153	1646	171	0.5	300
	MMZ0603D560C	BK0603LL560	LI0201C560R-10	11	56	186	252	1347	268	0.6	300
BLM03AG800SN1	MMZ0603S800C MMZ0603D800C	BK0603HS800	LI0201B800R-10	31	80	195	224	978	225	0.8	200
			LI0201C800R-10	18	80	335	428	903	434	0.6	300
			LI0201E800R-10	41	80	119	116	605	120	0.5	500
BLM03BB121SN1	MMZ0603S121C	BK0603HS121	LI0201B121R-10	39	120	247	269	800	275	0.8	200
BLM03BD121SN1	MMZ0603Y121C	BK0603HM121	LI0201C121R-10	59	120	189	182	630	190	0.7	300
BLM03AG121SN1		BK0603LL121									
BLM03BD241SN1	MMZ0603S241C	BK0603HS241	LI0201B241R-10	81	240	586	321	390	619	1	200
BLM03AG241SN1	MMZ0603Y241C	BK0603HM241									

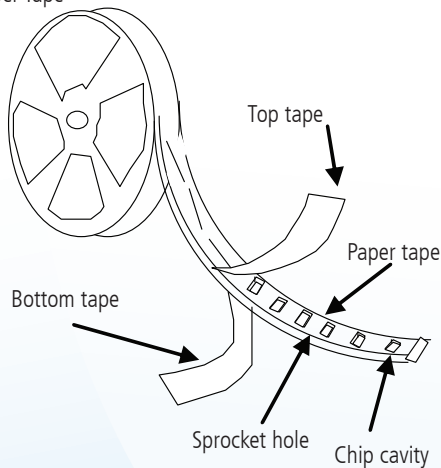
REEL DIMENSION



Type	W [mm]
0201	9.0 ±0.3

TAPING MATERIAL

* Paper Tape

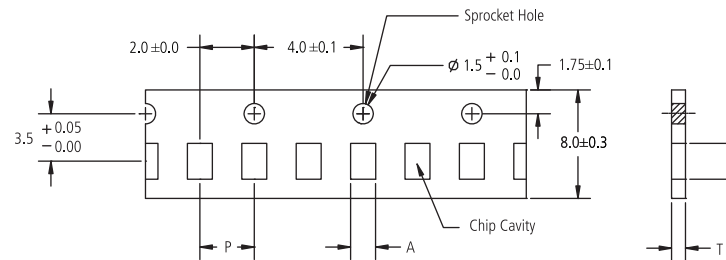


STANDARD QUANTITY

Type	QTY (PCS)
0201	15,000

TAPING DIMENSION 8mm wide

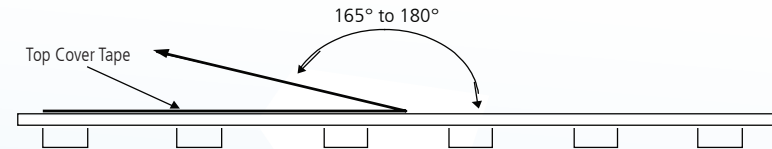
* Paper Tape
unit:mm



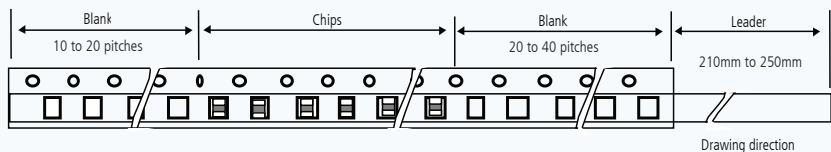
Product	Type	A	B	P	T(max.)
Chip Bead	0201	0.38 ±0.02	0.68 ±0.02	2.0 ±0.05	0.44

TOP TAPE STRENGTH

* The force for tearing off top tape is 20 to 70 grams in the arrow direction.



LEADER AND BLANK PORTION



* The pitch holes shift within ±0.3mm for cumulative 10 pitches

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SIP-SPEC-0201 1008

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